#### Salton Sea Ecosystem Restoration Recreation & Economic Opportunities Evaluation

Presentation by William Brownlie, PhD, PE Tetra Tech, Inc.



# **Project Objectives**

- Recreation
  - Identify recreation opportunities compatible with ecosystem restoration
  - Evaluate priorities for activities and facilities
  - Capacity for recreation
- Economics
  - Economic benefits of restoration

Salton Sea Authority

## Project Team & Status

- Team
  - Tetra Tech staff: recreational analysis
  - RSG (subcontract): economic analysis
  - Reliance Communications: meetings/public coord.
  - Authority staff: oversight/logistic support
- Status
  - Budget: \$250K
  - Expenditures to date: ~30%



#### Groundrules

- DWR definition used in this evaluation includes:
  - Improvement of water quality, including control and reduction of salinity
  - Stabilization of the water surface elevation
  - Reduction of odors
- Independent of alternatives



# **Local Input**

- Recreation Task Force
  - Re-formed from earlier task force
  - Approx. 30 representing diverse interests
  - Surveyed re opportunities and facilities
- Public input at two meetings
  - Desert Shores & Calipatria
  - April 28, 2005



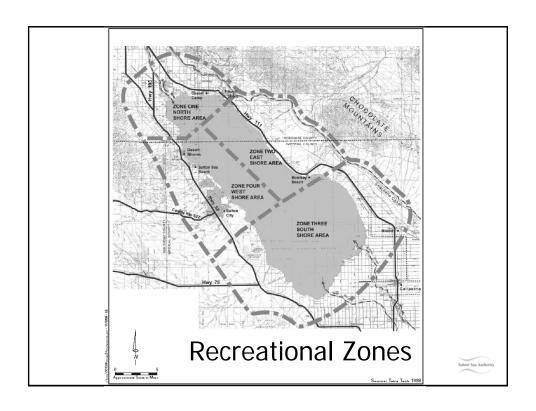
|       | Salton Sea Authority Outdoor Recreation Committee |                          |  |  |  |  |  |  |  |
|-------|---|--------------------------|--|--|--|--|--|--|--|
| AREA  | AGENCY OR ORGANIZATION                            | REPRESENTATIVE           |  |  |  |  |  |  |  |
|       |   |                          |  |  |  |  |  |  |  |
| I.V.  | City of Brawley                                   | John Benson              |  |  |  |  |  |  |  |
| I.V.  | City of Westmorland                               | Victor Torres            |  |  |  |  |  |  |  |
| I.V.  | City of Calipatria                                | LeaAnne O'Malley         |  |  |  |  |  |  |  |
| I.V.  | Salton Community Services District                | Shirley Palmer           |  |  |  |  |  |  |  |
| I.V.  | Bombay Beach Community Services District          | Christine Harris         |  |  |  |  |  |  |  |
| I.V.  | Brawley Chamber of Commerce                       | Sue Giller               |  |  |  |  |  |  |  |
| I.V.  | Brawley Economic Development Commission           | Bill Gates / Tim Kelley  |  |  |  |  |  |  |  |
| I.V.  | Niland Chamber of Commerce                        | Cliff Lawrence           |  |  |  |  |  |  |  |
| I.V.  | New River Wetlands                                | Leon Lesicka             |  |  |  |  |  |  |  |
|       | Cal - Energy                                      | Vince Signorotti         |  |  |  |  |  |  |  |
| I.V.  | Farm Bureau                                       | Wayne Olesh              |  |  |  |  |  |  |  |
| I.V.  | Hunting & Fishing Interest-Fred Singh             | Fred Singh               |  |  |  |  |  |  |  |
| I.V.  | Farm Bureau                                       | Al Kalin                 |  |  |  |  |  |  |  |
|       | Jack Hart Insurance                               | Jack Hart                |  |  |  |  |  |  |  |
| I.V.  | State-wide Off Road Association                   | Harold Soens             |  |  |  |  |  |  |  |
| I.V.  | Ocotillo Wells State Rec Area                     | Kathy Donlair            |  |  |  |  |  |  |  |
| I.V.  | Farmer  | Bill DuBois              |  |  |  |  |  |  |  |
| C.V.  | Duck Club   | Mike Maier               |  |  |  |  |  |  |  |
| C.V.  | City of Desert Hot Springs                        | Hank Hohenstein          |  |  |  |  |  |  |  |
| Other | United Anglers                                    | Tom Raftican             |  |  |  |  |  |  |  |
| Other | Torres Martinez                                   | Jacob Ward               |  |  |  |  |  |  |  |
| Other | Sonny Bono National Wildlife Refuge               | Chris Schoneman          |  |  |  |  |  |  |  |
| Other | CA Fish & Game                                    | Jack Crayon              |  |  |  |  |  |  |  |
| C.V.  | C.V. Recreation & Park District                   | Stan Ford / Kevin Kalman |  |  |  |  |  |  |  |
| C.V.  | Regional County Parks                             | Paul Frandsen            |  |  |  |  |  |  |  |
| C.V.  | Cabezon   | James McKennon           |  |  |  |  |  |  |  |
| C.V.  | Palm Springs Citizen                              | Glenn Baxley             |  |  |  |  |  |  |  |
| C.V.  | Indio Chamber of Commerce                         | Sherry Johnson           |  |  |  |  |  |  |  |

Salton Sea Authority

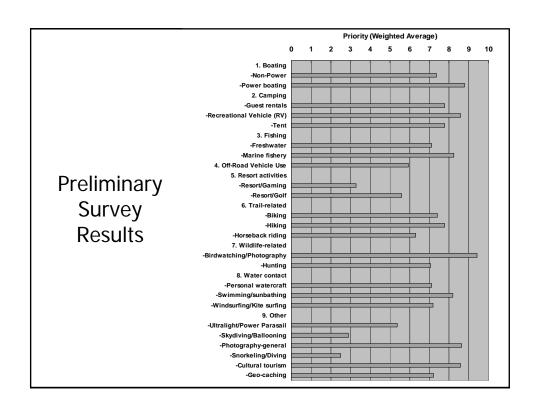
# Initial Listing of Recreation Activities Considered

- 1. Boating (power boating, non-motorized)
- 2. Camping (guest rentals, recreational vehicles, tent)
- 3. Fishing (freshwater, marine)
- 4. Off-road vehicle use
- 5. Resort activities (gaming, golf)
- 6. Trail-related (biking, hiking, horseback riding)
- 7. Wildlife-related (birdwatching/photography, hunting)
- 8. Water contact (personal watercraft, swimming, windsurfing)
- 9. Other (photography-general, skydiving)





|  | 3. Salton Sea Recreational Facilities Survey: LOCATION OF FACILITIES |             |          |         |              |          |      |   |     |              |         |                       |       |  |  |
|--|--|-------------|----------|---------|--------------|----------|------|---|-----|--------------|---------|-----------------------|-------|--|--|
| Recreational Facilities                        | Recreational Facilities  |             |          |         |              |          |      | Indicate Order of Facility Needs by Ranking Zones from 1 to |     |              |         |                       |       |  |  |
| ,  | 2. Salton Sea  | Recrea      | tional F | ACILIT  | Y Priori     | ty Surv  | ey   |   |     | Zono S       |         | <del>7000  </del> 4 - |       |  |  |
| Recreational Facilities                        |  |             |          | Highes  |              |          |      |   |     |              | Lowest  |                       | ,     |  |  |
|  |  |             |          | "Must   | Have"        |          |      |   |     |              | "Nice t | o Have"               | _     |  |  |
|  | Sea Recreation   |             |          | TY Pric | ority S      | urvey    |      |   |     |              | 1       |                       | _     |  |  |
| ecreational Opportunity Highest Priority Lowes |  |             |          |         |              |          |      |   |     | 0            |         |                       |       |  |  |
|  | "Must  | "Must Have" |          |         |              |          |      |   | "Ni | 0            |         |                       |       |  |  |
| 1. Boating                                     |  |             |          |         |              |          |      |   |     |              |         | -                     |       |  |  |
| -Kayaking                                      | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     | _     |  |  |
| -Power boating/Sailboating                     | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| 2. Camping -Guest rentals                      | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| -Recreational Vehicle (RV)                     | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| -Recreational vehicle (RV)                     | 10   | 9           | - 8      | 7       | 6            | 5        | 4    | 3   | 2   | <del>-</del> | 0       | 0                     | _     |  |  |
| 3. Fishing                                     | - 10   | -           | -        |         | <u> </u>     | <u> </u> |      |   |     |              | - i     | 0                     | _     |  |  |
| -Freshwater                                    | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| -Marine fishery                                | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     | _     |  |  |
| 1. Off-Road Vehicle Use                        | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| 5. Resort activities                           |  |             |          |         |              |          |      |   |     |              |         |                       | _     |  |  |
| -Resort/Gaming                                 | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     | _     |  |  |
| -Resort/Golf                                   | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| 6. Trail-related                               |  |             |          |         |              |          |      |   |     |              | _       | 0                     | _     |  |  |
| -Biking<br>-Hikina                             | 10   | 9           | 8 8      | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     | _     |  |  |
| -Hiking<br>-Horseback riding                   | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     | _     |  |  |
| 7. Wildlife-related                            | - 10   | -           | - 0      |         | - 0          |          |      | <u> </u>  |     | _ '_         |         |                       |       |  |  |
| -Birdwatching/Photography                      | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     | _     |  |  |
| -Hunting                                       | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | ō       | 0                     |       |  |  |
| 3. Water contact                               |  |             |          |         |              |          |      |   |     |              |         | -                     | _     |  |  |
| -Personal watercraft                           | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       |                       | _     |  |  |
| -Swimming/sunbathing                           | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| -Windsurfing                                   | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       |                       | _     |  |  |
| 9. Other                                       |  |             |          |         |              |          |      |   |     |              |         | 0                     | ## E  |  |  |
| -Photography-general                           | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1_           | 0       | 0                     | -oso0 |  |  |
| -Skydiving                                     | 10   | 9           | 8        | ′       | ь            | 5        | 4    | 3   | 2   | 1            | 0       | 0                     |       |  |  |
| Others   | <del></del>  |             |          |         |              |          |      |   |     |              |         |                       |       |  |  |
| Julio 3  | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       |                       |       |  |  |
|  | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | 0       |                       |       |  |  |
|  | 10   | 9           | 8        | 7       | 6            | 5        | 4    | 3   | 2   | 1            | ō       | Salton Sea            |       |  |  |
|  |  |             |          |         | 888 <b>8</b> | <u> </u> | 888W |   |     |              |         | Sellion Sea           | THE   |  |  |



### **Economic Analysis**

- Inventory of potential commercial/industrial/resort property
- Comprehensive demographic profile
- Identify locations or opportunity sites
- Property owner/broker survey
- Evaluate impact of planned developments
- Land capacity inventory
- · Existing land use/development policies
- Socio-economic analysis
- Revenue projections



## **Next Steps**

- Draft report: July 1, 2005
- Review and comment
  - DWR
  - Task Force
  - Public
  - Advisory Committee
- Final report: August 31, 2005

